



# State Revolving Fund Loan Program

an Indiana Finance Authority Environmental Program

100 North Senate Avenue, Room 1275  
Indianapolis, Indiana 46204  
www.srf.in.gov

## MEMORANDUM

TO: Project File, City of Lake Station, 2012 Water Improvement Project, Phase 2,  
SRF Project # DW 12034502

FROM: Richard J. Ziemba

DATE: August 16, 2013 (Final)

RE: Green Project Reserve, Business Case

### Summary

1. The Lake Station 2012 Water Improvement Project consists of two phases. The preliminary engineering report for Phase 2, approved on April 8, 2013, includes: the construction of approximately 6,316 feet of 12-inch diameter finished water transmission main, a new 500,000 gallon elevated water storage tank, the demolition of an existing 400,000 gallon elevated storage tank, and new water booster station. At this time, however, the City is only constructing the finished water main improvements and various existing booster station improvements, needed to increase water pressure and volume. The project included components that met the requirements of the Green Project Reserve (GPR) category: environmentally innovative. Information about the components was developed and presented by American Structurepoint, consulting engineers for the City, in Chapter 6 and appendices of the preliminary engineering report (PER).
2. The environmentally innovative component is the ductile iron pipe material for approximately 2,895 feet of the finished water transmission main. The balance of the finished water main is a HDPE material that will be installed by the directionally drilled construction method and is not considered to be an environmentally innovative material. The ductile iron pipe material has a material makeup of 95% recycled material as certified by the ductile iron pipe manufacturer. Therefore, this component is considered to be environmentally innovative. This item is categorically excluded and does not require a business case.
3. **The actual as-bid GPR component cost is \$72,045. The GPR engineering cost is \$5,800, for a total GPR as-bid cost of \$77,845.** Lake Station closed on a SRF loan on May 14, 2013 in the amount of \$2,100,000 for Phase 2 improvements.

### Conclusions

1. The business cases were reviewed by SRF staff and found to be in accordance with meeting the GPR requirements for the environmentally innovative category.

